



The Institute of Electrical and Electronics Engineers, Inc.

Volume 42 Issue 2 July 2013

Committee Nominations



Closing 31 August 2013
All members are encouraged to self-nominate for the Section
Committee.

3

AGM 22 November



There's no such thing as a free lunch but you can get a free dinner at the IEEE NSW Section AGM to be held at Parramatta on 22 November.

26

IEEE Members Honoured



Posthumous honour for Antoni Karbowiak. Martin Green elected to FRS. 7

Chair's Comments



Region 10 Conference Success! More conferences. Awards. Teacher in Service Program.

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IEEE New South Wales Section ARBN 078 576 495 ABN 34 078 576 495

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Editor

John Aitken

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Australian Engineering Week

IEEE NSW Section is a major sponsor of Australian Engineering Week – to be held from 4 to 11 August 2013.

Antony Zaglas reports on many exciting activities and events.

Details on Page 24

Chair's Comments



The Region 10 IEEE TENCON SPRING 2013 Conference held in Sydney from 17 to 19 April 2013 at Radisson Blu Hotel was a success. We had about 100 delegates from APAC and most of them were students. I would like to thank the organising committee members for this successful conference.

There are more conferences coming your way in Sydney, i.e. ICIEA 2013 and ICC 2014. In the next few months, I will work with IEEE HQs and Business Events Sydney on the proposal for the bid to host the Sections Congress 2017 in Sydney, Australia.

The educational activity for the IEEE Teacher in Service Program (TISP) workshop in Sydney is confirmed to be held on 28 and 29 September 2013. Please see the details on page 15. We look forward to your participation and support.

I congratulate James D. Foster (University of Newcastle) on winning the Best Paper Award and Giovanni Geraci (University of New South Wales) for the runner—up winner of the Australian Council 2012-2013 Student Paper Contest. I look forward to presenting the awards to them in the coming NSW Section Annual General Meeting (AGM) and Dinner 2013 on 22 November 2013 to be held at Novotel Parramatta Hotel, Church Street, Parramatta.

I urge all members to register for the AGM and Dinner 2013 as soon as possible as places are limited. Please refer to the write-up on page 25 for registration details. During the AGM, the Executive Committee members of NSW Section 2014 will be announced. Voting will be held in October and we look forward to your support and participation.

We plan to have the IEEE NSW Family Day 2013 on 27 Oct 2013 at a Sydney park around 11am to 1pm. I would like to received feedback from families interested in coming to this event so planning can proceed. Send the feed back to Eddie Fong by email with the subject title "NSW Family Day 2013"

Eddie Fong eddiefong@ieee.org Chair, NSW Section 2011-2013

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Section Committee Nominations

Nominations close on 31 August 2013

All members are encouraged to self-nominate for the Section Committee. The Section's Nominations Committee will select from all submissions a minimum of two but not more than three candidates for each elected office.

Volunteers are welcome for the non-elected positions, which include Committee Member, Newsletter Editor, Webmaster, Conference Coordinator, Historian, Professional Activities, Fellow Search, Awards & Recognition, Nominations Chair/member, Student Activities and Corresponding member.

Nominations for 4 Elected IEEE Officers

Section officers are responsible for ensuring the Section is managed in accordance with the IEEE Member & Geographic Activities Board (MGA) and NSW Section Bylaws. For example, they advise Chapter Chairs on the policies, budget and plans for the Section. Officers are volunteers who are elected by all NSW Section members to serve one year terms. They normally serve two years which can be extended to no more than three consecutive years.

The officers are Chair, Vice-chair, Treasurer and Secretary. When the Chair completes his/her terms the position of Past Chair is assumed.

Ballot - Closes 15 November 2013

Section members will vote via the Internet using the very secure IEEE Vtools program ensuring a secret ballot is used. Voting will close at midnight on 15 November.

This is one week before the AGM, where the results will be announced.

Non-elected Positions

Nominations are also needed for Chairs of Affinity Groups, eg Women in Engineering (WIE), Life Members, Graduates of the Last Decade (GOLD).

The nominations for all positions will be verified by the Section's Nominations Committee to check the candidates' eligibility and willingness to serve as a volunteer.

A slate of candidates will then be submitted at the Section Committee's 2nd September meeting for ratification. The slate of candidates for elected and non-elected office will be emailed to all members no later than 4th October.

Members who support societies should contact the Society Chair and submit directly to him/her their nominations for the Officers of that Society.



John Robinson jl.robinson@ieee.org

Chair Nominations, NSW Section

IEEE NSW Section AGM

Novotel Sydney Parramatta 22 November 2013

Chapter and Affinity Group AGMs at 6 pm. NSW Section AGM is at 7 pm followed by dinner at the hotel. The dinner is free for IEEE NSW Section members but you must register – see Page 26.



Choosing Technology

Do we choose the "things" that make up our lives? Sounds like a stupid question – there is so much choice. Subject to cost, we can choose among smartphones, televisions, computers, clothes, tools, furniture and a myriad of other objects.

But there are some choices that we don't get to make. There is no choice but to live in a world with cars and roads (even if we choose not to drive), a world where almost every job involves interacting with the "things" chosen by an employer (from computers to industrial machinery), a world where CCTV cameras often monitor our movements, a world with social expectations around the use of technologies such as email and cell-phones. We don't choose these things – they become part of the background against which our choices are made.

That is not to say that the technological context in which we live is inevitable or that it is not the result of choice. Quite the contrary. The things that make up the background of our lives have been conceived, created, designed and produced as a result of conscious choice, occasionally by governments but most often by private actors. Our world of things is shaped by decisions by engineers, managers, designers, marketers and others.

Are there any possibilities for collectively shaping our own world – for using democratic institutions to impose our collective will on our man-made surroundings? The idea is attractive.

In 1972, the Office of Technology Assessment was set up to give the United States Congress information that would enable decision-making about technology that reflected a wide range of concerns, adopted a long-term horizon and had a sound factual basis. Nor was Australia immune from these ideas. In the late 1970s there was a Committee of Inquiry into Technological Change in Australia, known as the Myers Committee. It was tasked with a mission to "examine, report and make recommendations on the process of technological change in Australia", in particular around issues such the possibility that some technologies might lead to massive unemployment.

- continued overleaf -

Social Implications of Technology



Lyria Bennett Moses

NSW Co-ordinator
Society on Social Implications of
Technology Chapter

Lyria is a Senior Lecturer at the University of New South Wales, specialising in technology and property law.

She has previously worked as an Associate in Law at Columbia University in New York, a solicitor at Freehills and an Associate to the Honourable Justice Margaret Stone in the Federal Court of Australia.

She has completed a doctorate on the Impact of Technological Change on Law from Columbia Law School. Her research interests also include property law and equity.

IEEE NSW Section AGM

Novotel Sydney Parramatta 22 November 2013

Chapter and Affinity Group AGMs at 6 pm. NSW Section AGM is at 7 pm followed by dinner at the hotel. The dinner is free for IEEE NSW Section members but you must register – see Page 26.



Choosing Technology....

One result of this committee was the establishment of the Technological Change Committee of the Australian Science and Technology Council, with a mission to "review on a continuing basis the processes and trends in technological change in Australia and elsewhere; and to evaluate and report on the direct and indirect effects of technological change at the national level". Other projects with similar dreams of shaping the future included the Commission for the Future launched in 1985 (and closed in 1998).

While none of these entities still exist, ideas about involving government and citizens in technological decision-making are not confined to history. Many European parliaments have created or sponsored, in different forms, offices of technology assessment. In Australia, procedures have been developed for engaging with publics in relation to decision-making around new technologies.

To what extent should democracies seek to influence the course of technological development or influence technological design? Sometimes, the choice seems easy, such as where a government bans human reproductive cloning or passes regulations that control developments in a particular field. But most of the time, we simply encourage innovation (for example, through patent law and R&D funding) without thinking too much about its impacts.

Which comes back to the original question – should there be some collective efforts in a democracy to shape or influence technological development? Can we choose the many things that shape our world? Or are our choices limited to those we make, as consumers, among products conceived and developed by others?

A blog from http://www.thesocialinterface.com/

Contributions to the blog from IEEE members are welcome. Email lyria@unsw.edu.au if interested.

Lyria Bennett Moses

NSW Co-ordinator, IEEE SSIT Chapter

Norbert Wiener in the 21st Century

Westin Waltham Hotel Boston, MA, USA

24-26 June, 2014

We invite you to the **2014 IEEE Conference on Norbert Wiener in the 21st Century**. The conference will focus on Wiener's work: past, present and future.

With the theme *Reintroducing Norbert Wiener*, the conference will include:

- Examination of the subsequent development and importance of his research, including multidisciplinary panels of experts examining specific questions related to his fields
- A current look at the social impact and ethical challenges of technology that he foresaw
- Reminiscences of his life from people who knew him personally
- An important part of the conference will be sessions of research papers on contemporary work related to Wiener's pioneering contributions. These will be selected from submissions to an open call for papers.

www.21stcenturywiener.org

IEEE NSW Section AGM – 22 November 2013

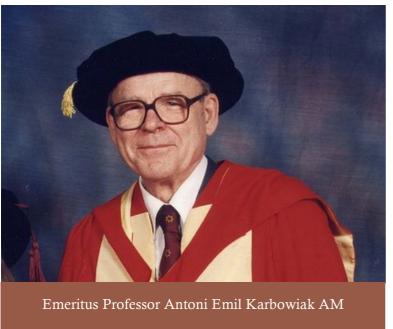
Novotel Sydney Parramatta, 350 Church Street Parramatta. Phone 02 9890 7290

Accommodation is available if required at \$195 per night, single occupancy. Please make your booking directly with the hotel, quoting code **IEEE1113**.



Coming Events

Date	Event	Speaker	Host	Contact	Venue
2013					
25 Jul	Rural Microwave Broadband	Dr Suzuki, CSIRO	EA	Trevor Blackburn	EA
4 - 11 Aug	Australian Engineering Week	Many! See page 22.	EA, IEE	Tony Zaglas	Various
6-8 Aug	Back to Basics Seminar	Andrew Kong, Agilent	AP/MTT	Register - See Page 13	Macq Uni
8 Aug	Wave Glider Autonomous Surface Vehicles and the Pacific Crossing	Dr Brian Ferguson, DSTO	IEEE	Registration on Engineers Australia web site is essential.	EA
	Problems With Wide Aperture Acoustic Arrays for Source Localisation	Darren Burrowes, UVS Pty Ltd			
22 Aug	Mechanics of an Iconic Engineering Project	Carl Butcher, Aurecon	IET	Register	EA
12 Sep	Fast motion estimation	Prof T Ogunfunbi, Univ of Southern Calif	IEEE	Trevor Blackburn	EA
15-18 Sep	ICUWB 2013 - International Conference on Ultra-Wideband	Conference	IEEE	Web Site	Sydney
26 Sep	Motor Drive for LNG compressor train	C Mudannayake , Toshiba	EA	Trevor Blackburn	EA
1-3 Oct	NESBII 2013	Conference	EA	Web Site	Sydney
10 Oct	DC Interconnection of power grids	M Wyckmans, ABB	IET	Trevor Blackburn	EA
13 – 16 Oct	ABEC Australian Biomedical Engineering Conference	Conference	EA	Web Site	SMC
21-24 Oct	LCN 2013 – IEEE Conference on Local Computer Networkds	Conference	IEEE	Web Site	Sydney
27 Oct	Family Fun Day	Fun day	IEEE	See page 21	Sydney
14 Nov	Increasing network capability	Darren Spoor, Transgrid	IEEE	Trevor Blackburn	EA
22 Nov	NSW Section AGM	AGM and Dinner	IEEE	See page 25	Parramatta
27-29 Nov	CMLS-13 Computational Models for Life Sciences	Symposium	IEEE	Web Site	Sydney
28 Nov	EA Engineer of the Year lecture	Brian Green	EA	Trevor Blackburn	EA
12 Dec	PLC or DCS for Process Control?	M Biggin, Toshiba	IET	Trevor Blackburn	EA
2014					
4 – 6 Mar	International Workshop on Antenna Technology	Workshop	CSIRO, IEEE	See page 21	Darling Harbour
14 – 16 Apr	TENSYMP	Symposium	Region 10	Web Site, see page 10	KL, Malaysia
1 – 5 Jun	ISCAS 2014 – International Symposium on Circuits and Systems	Symposium	IEEE	Web Site	Melbourne
10 – 14 Jun	IEEE International Conference on Communications	Technical Symposia and Tutorials	IEEE ComSoc	See page 15	Sydney
24 – 26 Jun	Norbert Wiener in the 21 st Century	Conference	IEEE SSIT	Web Site	Boston, USA



IEEE NSW Member Honoured in Queen's Birthday Honours List

In the 2013 Queen's Birthday Honours List the late Emeritus Professor Antoni Emil KARBOWIAK was posthumously honoured as Member (AM) of the Order of Australia for significant service to tertiary education in the field of electrical engineering, and to science and technology as a researcher in the field of telecommunications.

Toni Karbowiak died on 2 July 2011.

RA ZakareviciusNSW Section Historian

"Father of Voltaics" elected to Royal Society

Prof Martin Green of the University of New South Wales, a Fellow of IEEE and a member of the NSW IEEE Section, has recently been elevated to Fellowship of the Royal Society. The Royal Society is arguably the most prestigious learned society for scientists in the world.

The NSW Section of IEEE would like to congratulate Prof Green on this acknowledgment of his singular contribution to the development of photovoltaic systems.

In an academic career spanning nearly 40 years at UNSW, Prof Martin Green has attracted talented researchers, supervised more than 60 PhD students, and set numerous world-records for silicon solar cell efficiency – including the current record of 25% conversion efficiency. He is renowned for developing and commercialising silicon solar cell technologies, and has often been referred to as the 'father of photovoltaics' – the science of converting sunlight directly into electrical energy. He is now working on solar cells that will combine other semiconductor materials on top of silicon to improve efficiency

Each year the Royal Society elects 44 Fellows and eight Foreign Members from more than 700 candidates. There is a peer-reviewed nomination process before existing members vote. Notable Fellows include scientists Richard Dawkins and Stephen Hawking.





IEEE TENCON Spring 2013



Keynote Address

Professor Mary O'Kane, NSW Chief Scientist and Engineer delivered the opening Keynote Address (photo above). Her topic was the rewarding prospects of studying engineering.

The lecture theatre was almost full with a large number of those present being invited guests from IEEE and other Institutions, including Engineers Australia, The IET, EESA, ACS TSA, Academics, IEEE Student Branch Representatives and IEEE NSW Section Committee Members.

Other Keynote Speakers included Bob Frankston FIEEE(co-inventor of Visicalc), Prof Gerald Sheble FIEEE, R10 Director Prof Toshio Fukuda and Mathew Wilson.

Inaugural TENCON Spring Conference

The first TENCON Spring Conference was held at the Radisson Blu Hotel Sydney between 17 and 19 April 2013.

The conference was attended by about 100 delegates from Australia (about 20%) and Region 10. About fifteen Countries were represented with over 40% of the delegates being Students. The Conference was organised and run by the IEEE NSW Section with IEEE Region 10 sponsorship.



Conference General Chair and Consumer Electronic Society President Stefan Mozar and NSW Section Chair Eddie Fong welcomed delegates and guests.



R10 Director, Dr Toshio Fukuda (photo at left) and Conference and Technical Seminar Coordinator Takatoshi Minami also gave presentations.

IEEE TENCON Spring 2013

There were two Panel Sessions: one on Power and one on Communications. The Communications and Electronics Panel comprised Olly D'Souza, Stefan Mozar and Bob Frankston. The Power and Energy Panel comprised Prof Vassilios Agelidis, Stefan Mozar, Dr John Ypsilantis and Prof Gerald Sheble. Each Panel answered questions and discussed issues for about fifteen minutes.

The Conference Dinner was also held at the Radisson Blu with the dining room being almost at capacity. There was also a Sydney Harbour Dinner Cruise on the Majestic Cruises MV which was attended by about 115 Delegates, Guests and Committee. During the Cruise a WIE meeting was chaired by Prof Rodica Ramer which was attended by about 10 members.

Technical Sponsors for the conference included Engineers Australia, The IET, EESA and ACS TSA.

IEEE Technical Sponsors of the conference included the Communications Society, Signal Processing Society, EMBS, Power and Energy Society, Consumer Electronics Society and Product Safety Engineering Society.

The Conference themes were Advanced Technologies & Economics of Energy Systems and Personal Communication in a mobile world. Papers were presented in four streams and included subjects in Antennas and Propagation, Power Engineering, Communications, Signal Processing, Power Conversion, Power Electronics, Engineering in Medicine and Biology, Circuits and Systems, Renewable Energy and many others.

The Session Chair duties were performed by Prof Jinhong Yuan, Prof Vassilios Agelidis, Prof Karu Esselle, Prof Trevor Blackburn, Dr John Ypsilantis, Antony Zaglas, Bruce Poon, Dr Georgios Konstantinou, Dr Yogeshwar Ranga, Prof Rodica Ramer, Eddie Fong, Olly D'Souza, Neelam Sinha, Wei-Kai Cheng, Kwok Chung, Md. Sumon Shahriar, Xuezhi Tan, Yi-Sheng Su, Min Young Chung, Xuezhi Tan, Saman S Abeysekera, A. Benjamin Premkumar, Meng-Yu Wu, Chee Hooi Teoh, I-Lun Tseng and Nurul I Sarkar.

Dr Ali Hellany, NSW Section Student Activities Chair organised and chaired a Doctoral Workshop where students delivered a short presentation relating to their research and a panel of Academics and PhD graduates provided advice and answered questions. Certificates were presented to all the participants.



Bob Frankston



Takatoshi Minami



Prof Jinhon Yuan presents Mahmoud Elkhodr with his certificate. Dr Ali Hellany in background.

IEEE TENCON Spring 2013

The Conference General Chair Stefan Mozar, Co-Chair Eddie Fong, the Technical Chairs Prof Jinhong Yuan and Prof Vassilios Agelidis, Technical Co-Chairs Prof Karu Esselle and Prof Trevor Blackburn as well as Treasurer Mark O'Mally all contributed tirelessly to make the conference a success.

Webmaster Olly D'Souza, Membership Chair Bruce Poon, Section Secretary Dr John Ypsilantis, Conference GOLD Chair Dr Yogeshwar Ranga, who performed the duties of Conference photographer, WIE Chair Prof Rodica Ramer and NSW Section Nominations Chair John Robinson all greatly contributed to the organisation and smooth running and overall success of the Conference.

A special thanks to Syed Abbas, IEEE Student Branch Chair Macquarie University, for his efforts in organising the Sessions and keeping everyone informed of all the changes as they happened. I would also like to thank Student Branch Chairs Yogita Chapre(UNSW), Nusrat Ahmed Surobhi(SU) and the IEEE Student Branch Committees for helping at the Conference and for providing their valuable time.

Bruce Poon manned the NSW Section Membership table where those present were able to get membership information, IEEE gifts and publications. The IEEE NSW Power and Energy Chapter participated at the Conference and a membership table was set up with material provided by the Power and Energy Society including Free PES Student memberships, magazines and posters. Many thanks to both Bruce Poon and John Robinson for helping man the membership desks at the Conference.

Finally special thanks to Charlotte Kobert for taking care of the EDDAS paper submissions and Registrations, providing invaluable backup to General Chair Stefan Mozar and manning the reception desk at the Conference.



Tony ZaglasIEEE NSW Section Vice Chair

IEEE TENSYMP 2014

During the closing stages of TENCON Spring 2013, Region 10 2012 Conference and Technical Seminar Coordinator Borhanuddin Mohd Ali introduced TENSYMP 2014 which is the successor to TENCON Spring.

The symposium will be held in Kuala Lumpur Malaysia between 14 and 16 April 2014.

Symposium Website

http://ieeemy.org/tensymp/

Theme

• Connect • Analyse • Collaborate

Important Dates for TENSYMP 2014

Paper submission deadline September 15, 2013

Notification of acceptance December 15, 2013

Final camera ready due February 15, 2014

Early bird registration deadline February 15, 2014

IEEE TENCON Spring 2013

UNSW Professor in Microelectronics, Rodica Ramer writes about WIE...



Prof Rodica Ramer speaks at WIE

The first session of the 2013 IEEE Women in Engineering (WIE), NSW section was held during the IEE Tencon Spring Conference on the 8th of April. This was organized as a working session during the exquisite harbour cruise.

I am pleased to have chaired the meeting, having taken over from Dr Kim Chin as WIE Affinity Group Chair at the beginning of 2013.

There were fifteen participants present who came from various countries of the Asia Pacific regions such as China, Korea, the Philippines, Japan, Taiwan and Australia. The discussions centred around the engineering profession in the participants' home countries, the number of female engineers and female engineering students.

All participants agreed that the IEEE WIE efforts are very constructive and gives them new perspective in feeling stronger in embracing the engineering profession, in particular electrical engineering. The participant from the Philippines pointed a significant increased number of girls in her faculty and the great support offered by the head of school. Similar comments were made by the Taiwanese participant.



L to R: Takatoshi Minami, Yi Ting, Rodica Ramer, Eddie Fong, Stefan Mozar, Charlotte Kobert, Wei Zhao

IEEE TENCON Spring 2013

Robert Webster writes ...

In April 2013 I had the opportunity to present a paper at the newly founded TENCON-SPRING conference being held in Sydney. The conference was created as a sister to the well-known TENCON conference in response to the rapidly growing IEEE membership base in Region 10.

TENCON-SPRING started with a memorable opening speech by NSW Chief Scientist & Engineer, Professor Mary O'Kane. Professor O'Kane described the rewarding prospects of studying engineering. As a scientist herself, she understands the close relationship between the sciences and engineering, and that a breakthrough in one branch regularly provides insight in the other. Professor O'Kane also spoke about the newly commissioned brain initiative by Barack Obama that could unlock the secrets of the brain. This will also have a follow-through effect into other branches of the sciences and engineering, providing the basis for much future research.

After the opening ceremony, I presented my paper, titled: *A Scalable Distributed Microgrid Control Structure*. This paper was related to my work in the efficient utilization of distributed generation by providing a decentralized control platform, which by its nature is scalable.

TENCON-SPRING also provided the opportunity to meet with many other researchers from many different fields of electrical engineering. I found it beneficial to talk to people with different areas of research to myself. This provided an

arena of thought provoking discussion.



Robert Webster presenting

While attending TENCON-SPRING, the IEEE NSW Section

Membership Development Chair, Bruce Poon, introduced me to members of the IEEE Student Branches of Macquarie University and the University of New South Wales. As Membership Development Chair of The University of Sydney's IEEE Student branch, this provided an opportunity for further networking and collaboration between these student branches.

As well as providing many well researched and interesting papers, TENCON-SPRING also offered social events for its attendants. These included a formal dinner and a harbour cruise. This allowed those in attendance to enjoy the sights of Sydney, while getting to know each other better.

I would not have had this opportunity if it had not been for the sponsorship provided by the IEEE NSW Section, most notably Antony Zaglas, and the organizational efforts of Stefan Mozar and Eddie Fong.

Ultimately, TENCON-SPRING was a massive success due to the hard work of the NSW section of IEEE. I look forward to attending TENSYMP in Kuala Lumpar next year.

Robert Webster

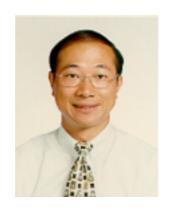
Membership Development Chair University of Sydney IEEE Student Branch



Back to Basics Seminar 6-8 August – FREE!

A free three-day workshop is being conducted at Macquarie University by Andrew Ko from Agilent Technologies, Hong Kong on RF/MW/MMW measurement basics and techniques.

Each day there are presentations followed by applications and demonstrations.



6 August

Fundamentals of Vector Network Analysis

Learn the principles of measuring high frequency electrical networks with network analysers and how the characterisation of linear and non-linear device behaviour can be done.

7 August

Fundamentals of Spectrum and Signal Analysis

Learn why spectrum analysis is important for a variety of applications and how to measure system and device performance using a spectrum analyser.

8 August

Fundamentals of Impedance Analysis and Materials Measurement

This training will compare different measurements techniques used in LCR meter and impedance analysers. Key parameters, conditions, fixtures and compensation techniques will be discussed.

For more details go to

http://engineering.mq.edu.au/~ieeesb/events.html

Please email <u>shahzad.mian@mq.edu.au</u> to register your interest.

Upgrading Membership

Members are encouraged to pursue the highest grade of membership to which they may be entitled. The requirements for each grade of Senior Member and Fellow are available at the IEEE membership website.

For Senior grade of membership, application may be made on line at any time of the year. It is recommended that you arrange all your referees and supporters before you lodge an application as this will save considerable time.

For Fellow grade, applications must be lodged in February each year. The preparation of these nominations/applications can take considerable time and it is recommended that at least 6 months lead time be allowed in the preparation of all the necessary support documentation. Last minute panics are not recommended.



Bruce Poon
bruce.poon@ieee.org
Membership
Development Chair,
NSW Section

IEEE NSW Section AGM – 22 November 2013

Novotel Sydney Parramatta, 350 Church Street Parramatta.

There is parking at the hotel (\$7 to \$14) or off-street meter parking.

The hotel is about ten minutes walk along Church Street from Parramatta Station.



Australian Biomedical Engineering Conference October 2013 - Sydney

The Australian Biomedical Engineering Conference for 2013 will be held at the Sydney Masonic Centre, Goulburn St, from the 13th to 16th of October. This conference is an annual event, hosted by the College of Biomedical Engineering, Institution of Engineers Australia.

There will be sessions on novel devices, industry, cardiac and electrophysiology, developing countries, to name a few as well as a parallel half day workshop on photonic applications in biomedical engineering hosted by USYD.

This year there has been a strong emphasis on engaging Universities and students and there are student prizes to be awarded.

IEAust, IEEE, ACEPSM and SMBE members can register at a discounted price of \$600 (including the Conference Dinner on the South Steyne on the Monday night) or \$200 day rate (no dinner).

Abstracts close 16th August.

http://www.abec2013.iamevents.com.au



Be part of a new era for Biomedical Engineering in Australia by submitting either an abstract or full paper to present at the conference.

If selected to present your submission will be published through RMIT and your registration will be free!

Power and Energy Chapter

We are happy to announce the opening of Power & Energy Society Student Chapter at the University of Wollongong (UoW) IEEE Student Branch.

The formation of the Chapter has been officially approved by the PES President; approval of the Constitution and Bylaws is underway.

All UoW students, who are student members of the PES, are cordially invited to join the Chapter and take part in the upcoming activities.

Please contact the interim Chapter Chair for further details at:

mjea982@uowmail.edu.au

Md. Jan-E-Alam

PhD Student

Endeavour Energy Power Quality and Reliability Centre (EEPQRC) School of Electrical, Computer and Telecommunications Engineering, Faculty of Informatics, University of Wollongong

IEEE NSW Section AGM – 22 November 2013

Novotel Sydney Parramatta, 350 Church Street Parramatta.

There is parking at the hotel (\$7 to \$14) or off-street meter parking.

The hotel is about ten minutes walk along Church Street from Parramatta Station.



If you are interested in...

- ➤ helping primary and secondary school teachers in your local area to motivate their students in the classroom toward a better understanding of engineering and technology...
- ➤ **improving** the exposure of primary and secondary school students in your local area to engineering, design & technology in the classroom through a fun, hands-on learning program...
- > sharing your knowledge to help encourage future students of engineering...
- ...then, you should register to attend the:

IEEE Teacher In-Service Program (TISP) Training Workshop in Sydney

This 1½ day workshop will enable IEEE Members to:

- ✓ **Learn how to provide training** to local primary and secondary school teachers of the use of engineering, design & technology lesson plans and hands-on activities in the classroom
- ✓ **Understand why lesson plans are aligned** with Australian education standards
- ✓ **Identify the challenges and opportunities** in the local primary and secondary schools
- ✓ Learn how to **develop a partnership** with the local primary and secondary school systems
- ✓ Have the **opportunity to network** with other engineers and representatives from educators

Workshop Programme

Saturday, 28 SEPTEMBER

14:00 – 19:00—Workshop Session

19:00 – 22:00—Networking and Dinner

Sunday, 29 SEPTEMBER

08:00 - 09:00—Breakfast

09:00 – 12:00—Workshop Session

12:00 – 13:00—Lunch

13.00 – 16.00—Workshop Session

Register Today!

http://www.cvent.com/d/dcqb0t/1Q



Dates:

28th & 29th September, 2013

Location:

Radisson Blu Hotel

O'Connell Street, Sydney

Organized Jointly By:

IEEE Educational Activities Board and IEEE New South Wales Section

Registration Deadline

1st September, 2013

NO ADDITIONAL REGISTRATIONS WILL BE ACCEPTED AFTER THIS DATE

Numbers are limited for this workshop and you will be advised of your acceptance via email.

Free Registration

The event is free of charge for all registered & accepted IEEE members, including the cost of a 1-night stay at the Radisson Blu Hotel.

Travel Reimbursement

IEEE will reimburse all reasonable travel-related expenses to and from the event following the workshop.

Questions

Email: 1.bowlby@ieee.org



IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS

INDUSTRY FORUM & EXHIBITION





www.ieee-icc.org/2014



FOR PAPERS AND PROPOSALS

The 2014 IEEE International Conference on Communications (ICC) will be held in the beautiful city of Sydney, Australia from 10-14 June 2014. Themed "Communications: The Centrepoint of Digital Economy," this flagship conference of IEEE Communications Society will feature a comprehensive technical program including twelve Symposia and a number of Tutorials and Workshops. IEEE ICC 2014 will also include an exceptional expo program including keynote speakers and Industry Forum & Exhibition.

TECHNICAL SYMPOSIA: We invite you to submit original technical papers in the following areas:

Selected Areas in Communications Symposium

Data Storage Track

Brian M. Kurkoski, JAIST, JP

e-Health Track

Nazim Agoulmine, University of Evry, FR

Internet of Things Track

Khaled Boussetta, University Paris 13, FR

Communications for the Smart Grid Track Vincent Guillet, Landis+Gyr, FR

Satellite & Space Communication Track Igor Bisio, University of Genoa, IT

Green Communications and Computing Track Jaafar Elmirghani, University of Leeds, UK John S. Thompson, University of Edinburgh, UK

Cloud Computing Track

Yonggang Wen, Nanyang Technical University, SG

Access Networks and Systems Track

Tarek S. El-Bawab, Jackson State University, USA

Nanoscale, Molecular, and Quantum Network Track Tadashi Nakano, Osaka University, JP

Social Networking Track

Neeli Prasad, Aalborg University, DK

Wireless Communications Symposium

Yahong Rosa Zheng, Missouri University of S&T, USA Yiqing Zhou, Chinese Academy of Sciences, CN Cheng Li, Memorial University of Newfound, CA Peter M. R. Rost, NEC Labs Europe, DE Jinhong Yuan, University of NSW, AU

Mobile and Wireless Networking Symposium

Weihua Zhuang, University of Waterloo, CA Pascal Lorenz, University of Haute-Alsace, FR Jian Tang, Syracuse University, USA Nurul Sarkar, Auckland University of Technology, NZ

Communication Theory Symposium Fulvio Babich, University of Trieste, IT Bechir Hamdaoui, Oregon State University, USA Huaiyu Dai, North Carolina State University, USA

Signal Processing for Communications Symposium

Tomohiko Taniguchi, Fujitsu Labs, JP Lingyang Song, Beijing University, CN Rose Qingyang Hu, Utah State University, USA

Optical Networks and Systems Symposium

Arun Somani, Iowa State University, USA Philippe Perrier, Xtera Communications, USA Nathan Gomes, University of Kent, UK

Next-Generation Networking Symposium

Mohammed Atiquzzaman, University of Oklahoma, LISA

Konstantinos Samdanis, NEC Europe, DE Antonio Pescapè, University of Napoli Federico II, IT

Communication QoS, Reliability & **Modeling Symposium** Kohei Shiomoto, NTT, JP

Stefano Giordano, University of Pisa, IT Wei Song, University of New Brunswick, CA

Ad Hoc and Sensor Networking

Symposium Jalel Ben-Othman , University of Paris 13, FR

Jiming Chen, Zhejiang University, CN Somaya Charkaoui, University of Sherbrooke, CA Zubair Md. Fadlullah, Tohoku University, JP

Communication Software, Services and **Multimedia Application Symposium**

Abdelhamid Mellouk, University of Paris 12, FR Lingfen Sun, University of Plymouth, UK

Communication and Information Systems Security Symposium

Peter Mueller, IBM Zurich Research, CH Shui Yu, Deakin University, AU Thorsten Strufe, Technische Universität Darmstadt, DE

Cognitive Radio and Networks Symposium

Jacques Palicot, Supelec, FR Jaime L Mauri, Polytechnic University of Valencia, ES Lin Cai, Huawei Technologies, USA

TUTORIALS

Proposals should provide a focused lecture on new and emerging topics within the scope of communications.

Accepted and presented technical papers will be published in the IEEE ICC 2014 Conference Proceedings and in IEEE Xplore®. See the website for requirements of accepted authors.

IMPORTANT DATES

Paper Submission 15 September 2013

Acceptance Notification 12 January 2014

Camera-Ready 13 February 2014 Tutorial Proposal 31 October 2013

General Chair: Farzad Safai, University of Wollongong, AU

Vice General Chair: Leith Campbell, Ovum, AU

Technical Program Chair: Abbas Jamalipour, University of Sydney, AU

Technical Program Vice Co-Chairs: Sanjay Jha, University of New South Wales, AU Grenville Armitage, Swinburne University of Technology, AU

Symposia Chair: Nei Kato, Tohoku University, JP

Tutorials Co-Chairs:

Sherman Shen, University of Waterloo, CA Chun Tung Chou, University of New South Wales, AU

Full details of submission procedures are available at www.ieee-icc.org/2014

New Life Members

Welcome to our New and Upgraded Members

Sam Reisenfeld

New Senior Members

AdelAli Al-Jumaily

Andrew S Mowbray

Brian G Ferguson

Chandana Prasad Withana

Jinjun Chen

Lei Ye

Longbing Cao

Marcela M Bilek

Michael C Heimlich

Minjie Zhang

Sadanan Ramakoti

Sanjay K Jha

Stuart G Hay

Tawfek Khalefa Mahmoud

Yang-Wai Chow

New Members

Abhinay Mukunthan

Abhish Saha

Achut K Myneni

Ahmad Moh'd Qasem

Ahmed M Haidar

Ahshan A Chaudry

Akram AlSukker

Alan T Murray

Alexander Kurusingal

Ali Haydar Goktogan

Allen M Benter

Aman Kewal Dhareula

Andrew Hill

Andrew J Stevens

Anil Roychoudry

Anthony Peter Kalcina

Anton Altin

Arthur L Hissey

Atul Thapar

Barrie J Hall

Bernard Wong

Bernhard Mitchell

Bill Fulton

Bo Xiao

Bonney Joseph

Cat M Kutay

Cathy Liu

Changming Sun

CheeMun Chong

Chris C Constance

emis e constance

Chukwuma O Meka

Craig Stewart Anderson

Damien Geoffrey Gardner

Daniel T Woo

Danny Acimovic

Darren L Maybour

Daryl Chan

David Bolton

David Boyce

David Antony Matthew

McKenzie

David R Mcghee

David W Moore

Deepak S Sahay

Doan B Hoang

Douil D Hourig

Dominic Joseph Bragge

Douglas Craig Morley

Dulani Naditha Wasalthilake

IEEE NSW Section AGM – 22 November 2013

Novotel Sydney Parramatta, 350 Church Street Parramatta.

There is parking at the hotel (\$7 to \$14) or off-street meter parking.

The hotel is about ten minutes walk along Church Street from Parramatta Station.



New Members

Dushmantha Nuwan Prasanna

Thalakotuna

Edmundo Sacro Ganaban

Ehssan Sakhaee Elly Greene Enzo Cocotti Eren Dogan Errol H Pollnow

Evan Morrison

Fang Chen

Fred Fetherston

Gautam A Tendulkar Geoffrey N Blunden

Gerrard Holly Gideon Creech Gil Kirkpatrick Gim Yau Gim Hoe

Greg Campbell

Gregory Leigh Wright Gregory R Maslen Habibullah Habibullah Hemantha Gunasinghe

Hiroko Kato

Hoang Duong Tuan Hsing-Chung Chang

Hua Jie Lee Ian M Palmisano

Ivan Tomic

James C Herbert James Daniel Foster

Jeanette Aitken Jeffrey A Vance

Jemima Emily Jackson

Jianwen Chen
Jie Sheng
Jim McCarthy
Jinyan Li

Jochen Schroeder

John Brondum John Graham

John A M Brady John E Gillam John P Flynn Jon E Davis

JoseAngelino Lay

Juan Ostos

Julian A Sotomonte

Julian B Corben

Jun Ma

Justin Barbour

Justin Mathew Mclean

Ka Ching Chan Kamran Shafi Kassem Morad

Ke Xu

Keith D Cohen Keith W Bannister

Ken To

Keshavan Thiagaraja Kewei Clare Guo Lakshminarayanan Vaidyanathasamy Lawrence Gatt

Laurie A Chisholm
Lawrence Gatt

Lei Shang Lei Shi Les Bell Li Qiao

Mandar L Gujrathi Manjula N Kularathne

Mao Shan Marc Estimada Mark E Earl Mark I Reinhard

Mary-Anne Williams

Masoud Rasouli Matthew Ho Melvin Mazid

Menghan Wang

Michael Abd-El-Malak

Mikhail Vsevolodovich Konnik

Mitchell John Bright

Mitesh Patel

Mohamad Nassereddine

Mohammad Iqbal Bin Shahid Mohammed Ajaz Alikhan Mohd Yazed Ahmad

Mojtaba Golzan

Moshiur Rahman Bhuyian Mustaquim Tanjung Raupp Nalin C Pahalawaththa

Nazifa Tahir Neale Carlyon Nejla Ghaboosi Nicholas Condos Nick J Cerneaz Norbert Dommel Oscar R Pizarro

Parastoo Golmohammadi

Paresh Purohit
Patrick Conrick
Peter Anderson
Peter Leijdekkers
Philip A Cooney
Philip P De Chazal
Phillip Maher

Phillip A Cohen
Phyo Phyo San
Piers Campbell

Quazi Ehsanul Kabir Mamun

New Members

Quincy Tse Rafiqul Islam Richard Bland Richard J Street

Richard James Cartwright

Robert B Mcintosh

Rod Kinnish Rodd Zhang

Rowena Jane Clark

Ruixin Bai

Ryan James Thompson

Saw Edison Scott Case Serdar Erozan Shahrukh I Islam

Shaun Anthony Owen

Sherifeldin M Ahmed

Simon Beaumont

Sisira Sooriya Bandara

Karunaratne Sorin Toma

Sri Parameswaran

Steffi Knorn

Stephanie L Smith Stephen D'Olier

Stephen G Joyce

Stephen James Hardy Stephen John Palmer

Sunil Krishnan

Terence R Lee

Thai M Huynh

Tharmarajah Thiruvaran

Thomas Hadley
Timothy J Batten
Timothy J Parsley
Trevor A Smith
Udit Sethi

Vaenthan Thiruvarudchelvan

Vara Prasad Satulury

Varuni G Witana

Victor Kuo Vikram Ac

Warren Don

Wei Li Wei Zhao

Weidong Su

Wendy Phillipa Wong

William Rannard Wolfgang Lohrie

Xin Wang Xinzhi Yan

Yelitza Elizabeth Martinez

Yi Guo Yik Ren Teo Ying Zhou YongKhing Tan

Yvette M M vandenBerg

Zhiyu Xi

Zorba Jeremy Parer

Zuowei Tang

New Affiliates

Aaron Julian Saikovski Adrian Mark Frugtniet

Gail L Wilton

Jorge Guillermo Vaccari

Michael Le Sarah E Corris Thi P Hoang Xiaodi Huang

New Graduate Students

Abdullah Haamd Aldosari

Adam Ramsay

Ahmad Baranzadeh

Ahmad Saleh Alnafessah

Ahmad Shabir Shabir

Ahmadyar

Ahmed M.O. Alshabo

Akshatha Shenoy Ali Marzoughi Alison Wenham

Ameen Reda Banjar

Ammara Masood

Andres Guillermo Moreno-

Rojas

Andrew William Palmer

Anthony Mihirana De Silva

Apurav Gupta Asif Hassan Asif Mujib Khan Asish Zac Alex

Ayyoub Ahmadzadeh

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Banafsheh Pazokifard

Budhaditya Majumdar

Can Ding

Chalakorn Karupongsiri

Changliang Zheng

Chathurika Prasadini

Mediwaththe Cheng Tan Chenxi Liu

Chin Yeow Wong

ChiYan Wong

Christopher LeBrese

New Graduate Student Members

Christopher Watson Chukwuma Ehilegbu

Craig Wright
Damith Buddika
Wickramasingha
Abeywardana
Daniel Schragl
Deepak Bansal
Denis Weerasiri

Derek Chi Kian Wong

Doan Trang Nguyen Dominic Ruefenacht

Duolei Pang
Ehsan Saeedi
Ernest Michael
Fan Zhang
Fathurrahman
Fathurrahman

Fatin Hamimi Mustafa

Fengji Luo

Ferhat Hajdarpasic Fred Habib Tanyous

Geng Sun

Gerrit Eduard Gmel Guanglou Zheng

Guilherme Jorge Maeda

Haitao Fu

Hamid Alinejad-Rokny

Han Xu Hao Tian

Harsha Prasanna K

Prakash

Hatem Hosny Botros Hooman Shidanshidi

Ibrahim Elashry Isuru Nawinne Jala Rampaul Javad Taghia

Jayeta Biswas Jian Song Jie Cui Jie Zhou

Jie Zhou
Jing Jiang
Jing Qiu
Jingjing Li
Jongsung Park

Kaiyang Li

Kanchana Amarasekara Karime Pereida Perez

Kazi Ahsanullah

Ke Wang

Keith Ray Motes Kelvin D'Amore Khairul Alam Kuang Yee Teng Landon J. S. Halloran

Le An
Lei Bi
Lei Zhang
Lelin Zhang
Lu Wang
Lukas Li

Luke Peter Simmons

Mahanama Sooriyabandara

Wickramasinghe

Mahboobeh Moghaddam

Majid Hosseini

Marc Garry Carmichael

Marcel Julliard

Maryam Hasheminamin Marzieh Jalal Abadi

Md Habibullah

Md. Tanvir Ishtaique ul Huque

Mehdi Garmroodi

Meiling Wang Mengti Sun Mengyu Huang

Merlin Chai

Michael James Tippett Michael K Frechtling

Mingfei Wu Minsu Jung

Mohammad Jasa Afroni

Mohammad Sadegh Golsorkhi

Esfahani

Mohammadreza Hosseini

Mohsen Rezvani Mojtaba Maghrebi

Muhammad Rizwan Khokher Muhammad Usman Afzal

Murad Safadi Nathan Marks Nicholas Boerema Nicholas Cummins Nipa Chowdhury

Nishad Rasanjana Mendis Nurul Ain Mohd Said Obada Atif Alkhatib

Paul Rimba

Payam Rahnamayiezekavat

Peng Di Penglei Dai Phillip Quin

Phuoc Tai Huynh

Raja Mohd Taufika Raja

Ismail

Rana Fahad Hussain

Renard Siew

Rishi Ramakrishnan Robert Edward Webster

Rui Xu

New Graduate Students

Ruojun Dun

Sajad Ghatrehsamani

Saliq Man

Sanjeeb Shrestha

Scott Lee

Sean McGerty Sebastian Marin

Seong Ho Lee Shahzad Asif

Shan Chen

Shuo Wang

Shyam Sundar Pasunurthi

Sobia Omer

Solomon Freer

Srinath Kannan Stanley Lam

Stefanie Brown

Suheng Zhang

Sungkon Moon

Taekyun Kim

Tao Liu

Tao Zhang

Tariq Mahmood Khan

Thuy Linh Tran

Thuy Thi Pham

Tiffany Li Lee Teo

Upuli Priyadarshani

Jayatunga

Valimohammad Nazarzehi

Had

Veena Lertkriangkraisorn

Victor Adolfo Romero-

Cano

Vita Lystianingrum

Wei Cao Wei Li

Xiangrong Wang

Xiaohong Yang Xiaoming

Zheng

Xuan Liu

Xue Wei

Xuepeng Li

Yanbing Zhang

Yi Wang

Yi Yang

Yifan Yu

Yin Hui Chye

Ying Fang

Yingying Chen

Yixuan Xie

Yuanxun Liao

Zeeshan Azmat Shaikh

Zhangbo Han

Zhenrong Han

Zhiwei Yu

Zhiyu Xi

New Associate Members

Daniel Vincent Klingsporn

Fenghui Ren

Nandhagopal Masilamani

IEEE NSW Family Day

We plan to have the IEEE NSW Family Day 2013 on 27 Oct 2013 at a Sydney park around 11 am to 1 pm.

I would like to receive feedback if your family is interested in coming to this event. Preferred locations and ideas are welcome so planning can proceed.

Send the feedback to Eddie Fong by email with the subject title "NSW Family Day 2013"



Eddie Fong
eddiefong@ieee.org
Chair, NSW Section 2011-2013

Macquarie University Student Branch Update

IEEE Student Branch at Macquarie University has recently started a series of workshops on select few topics related to various undergraduate courses taught at Macquarie University. The main impetus is to help students grasp in depth understanding of these topics and acquire new skills through a combination of interactive lectures and practical sessions. In June, the first workshop of this series was conducted by 3rd year PhD student Basit Ali Zeb on the topic of "Basic Electric Filters". A large number of undergraduate students attended this workshop which helped them freshen up the concept of simple filters, resonant circuits and Bode Plots. Based on the positive feedback provided by the participants, IEEE SB at MQU will hold similar type of workshops on regular basis in future.

In May, a workshop on CST Microwave Studio has been conducted by Dr. Frank Demming from CST Germany. It was a full day workshop for intermediate and advanced level users. Dr. Demming initially demonstrated new features CST 2013, followed by some quick examples. Most of the event was planned to be interactive and open-discussions related to specific CST models were highly beneficial for the attendees. The activity concluded with an interactive social session followed by refreshments.

Members of IEEE MQU SB provided voluntary support to IEEE NSW Section at IEEE TENCON Spring 2013 conference held in Sydney from 17-19 April, 2013. Asia Pacific Invitational FIRST Lego League Tournament was hosted by Macquarie University from 4-6 July, 2013. During this event, branch member voluntarily supported as Judges and, also in organization and smooth conduction of the event.

Syed Muzahir AbbasChair-IEEE MQ student branch



IEEE student branch activities organized by the MQ student branch covering CST Microwave Studio workshop conducted by Dr. Frank Demming, Basic Electric Filters workshop by Basit Ali Zeb and volunteer support by branch members at various events.

Call for Papers

2014 International Workshop on Antenna Technology:

Small Antennas, Novel EM Structures and Materials, and Applications



March 4-6, 2014, Sydney, Australia







General Chair: Y Jay Guo CSIRO, Australia

International Advisory Committee Chairs: **Raj Mittra**

Penn. State Univ. USA
Zhi Ning Chen
National Uni. of Singapore
Trevor S Bird

CSIRO, Australia

International Advisory Committee Members:

W. Ross Stone Stoneware Ltd, USA

Koichi Ito Chiba University, Japan

Makoto Ando

Tokyo Institute of Tech., Japan **Steve Best**

Mitre Corporation, USA

Yiannis Vardaxoglou

Loughborough Uni., UK Richard Ziolkowski

The Uni. of Arizona, USA
John L. Volakis

The Ohio State Uni., USA Kwai-Man Luk

City Uni of Hong Kong

Hisamatsu Nakano Hosei University, Japan

Peter S. Hall

The Uni. of Birmingham, UK Tatsuo Itoh

Uni. of California, Los Angeles, USA

Technical Program Committee Chairs:

Ananda M. Sanagavarapu UTS, Australia Christophe Fumeaux Uni. of Adelaide, Australia

Publicity Chair: Karu Esselle

Karu Esselle Macquarie Uni., Australia The International Workshop on Antenna Technology (iWAT) is an annual forum for the exchange of information on the research and development of innovative antenna technologies. There are two tracks at iWAT, the invited track and the interactive track. All the presentations in the invited track are delivered by prominent researchers, and the presentations in the interactive track will be delivered by a combination of oral presentations and posters. iWAT2014 will be held at Sydney's beautiful Darling Harbor. Interesting social activities are being planned.

The topics of interest include the following.

Small Antennas

- · Adaptive (smart) arrays
- · Antennas on/in IC packages
- Arrays
- · Broadband antennas
- · Conformal antennas
- · Embedded antennas
- MEMS/Nano technology for antennas
- Millimeter Wave and THz antennas
- · Modeling and simulations
- · Miniaturization of antennas
- Non-Foster/active elements
- · Nano-antennas
- · Reconfigurable antennas
- Reflect arrays
- · Ultra-wideband (UWB) antennas

Innovative Structures and Materials

- · Analysis and design of EM materials
- · Artificial magnetic conductors (AMC)
- Bi-anisotropic materials
- · Electromagnetic anisotropy
- Electromagnetic bandgap (EBG)
- Fractal structures

- Frequency selective surfaces (FSS)
- Novel features of EM materials
- · Single and double negative metamaterial
- Superconducting material

Applications

- · Automotive systems
- · Bluetooth/W-LAN (PDAs, laptops)
- · Body-centric wireless communications
- GPS systems
- Medical applications
- · MIMO systems
- · Mobile wireless systems
- Power transmission and harvesting
- RFID/Sensors
- UWB communication and radar systems
- Wireless communication systems (handheld devices, base stations)
- · Radar systems
- mm-Wave/ TeraHertz communications and imaging
- Satellite communications
- EMC

Important Dates

Deadline of paper submission:
Notification of acceptance:

October 12, 2013
December 14, 2013

Paper Submission Guidelines

Authors **MUST** submit camera-ready **2 page (A4 sized) double column papers** including figures by October 12, 2013 via the workshop website www.iwat2014.org. Electronic submissions must meet all IEEE Xplore specifications. All the submitted papers for the conference will be reviewed. For further information, please contact Ananda.Sanagavarapu@uts.edu.au or cfumeaux@eleceng.adelaide.edu.au.

www.iwat2014.org



This year Australian Engineering Week will be held between 4 and 11 August 2013 and again IEEE NSW Section is a major sponsor.

The Harrick's Address this year will be given on Monday 5 August 2013 (6:00-8:00pm) at the Museum of Sydney, AGL Theatre Corner Bridge Street & Philip St, Sydney, NSW 2000.

Dr Marlene Kanga, National President of Engineers Australia, will lead a discussion on developing an innovative culture and the importance of engineering and new technology in commercialising innovations for the benefit of the economy and the country.

For more details please visit http://www.makeitso.org.au/australian-engineering-week/event/launch-event-harricks-address

Other major events include the

- Engineering Breakfast on Thursday 8 August (7 8:30 am) Museum of Contemporary Art,
- Great Engineering Challenge on Wednesday 7 August (8:30 am 3:30 pm) UNSW Roundhouse,
- Aurecon Bridge Building Completion on Tuesday 6 August (9 am to 4 pm)
- numerous site tours and events.

For more events and details please see below or visit

http://www.makeitso.org.au/australianengineering-week/sydney



Antony Zaglas antonyz@ieee.org Vice Chair, NSW Section



GOLD Affinity Group

I have been a member with IEEE for last 5 years. Volunteering for IEEE gave me many opportunities for leading, representing and networking. It is a honour to be appointed as new Chair, NSW GOLD Affinity Group for 2013-14.

The main purpose of GOLD Affinity group is to make a network within young Engineers to raise their future paths and their relevant skills. This will be an opportunity to share our experience with each other. To make our society strength, we are looking forward to have volunteers, who have the passion and enthusiasm for serving the technical community they belong. I would like to invite all GOLD members for various volunteering opportunities available in IEEE NSW GOLD Affinity group.



As in introduction, I am Balakrishna Sarma, recently finished Masters in Engineering studies at University of Technology, Sydney. I was volunteering as the Chairman for IEEE Gold Srilanka for the year 2012/2013, and various positions during my Undergraduate at university of Peradeniya, Srilanka. Our Gold affinity team was able to organise many events such as Step events and Job fairs.

If you are interested in being more involved in GOLD then please email me directly at sarma@ieee.org. Feel free to join with us on Facebook or Linkedin.

Balakrishna Sarma Chair, NSW GOLD Affinity Group



Patents | Trade Marks | Designs

View our attorney profiles at:

www.adamspluck.com.au

Phone us on 02 9476 0477 to discuss your IP requirements



Suite 4, Level 3, 20 George Street Hornsby NSW 2077

Fax: 0299872405 E:email@adamspluck.com.au

IEEE NSW Section AGM – 22 November 2013

6 pm to 7 pm Chapter and Affinity Groups AGM

7 pm to 8 pm NSW Section AGM

8 pm to 10 pm NSW Section Dinner

Novotel Sydney Parramatta, 350 Church Street, Parramatta.

Parking: see page 27 for map and directions

RSVP: Tuesday 9 November 2013

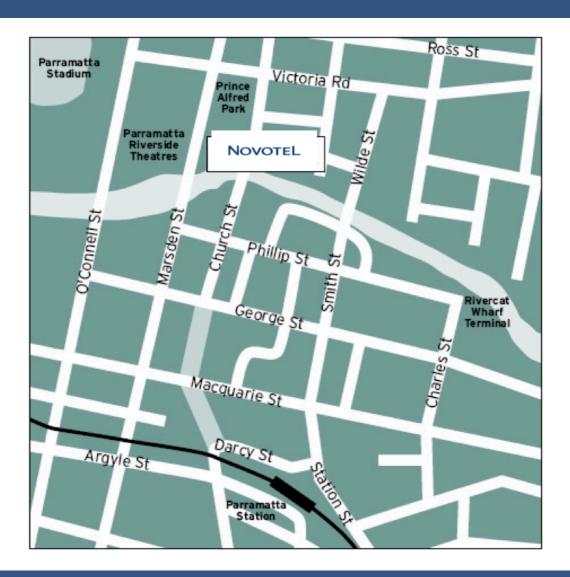
(Kindly e-mail the completed form to Eddie Fong: eddiefong@ieee.org or phone: 0413777511)

IEEE NSW Section will cover the cost of your dinner (partner included) for all registrations received before the RSVP date above. However, for those no show at the event, then \$80 per person will be charged to your credit card.

IEEE NSW Section AGM – Reservation Form

Name:					
Attending: AGM Dinner	Yes/No as ap	plicable)			
Tel:	Membership N	To.:			
Partner's Name:					
Attending: AGM Dinner	(Yes/No as ap	plicable)			
Credit Card No.:	(This w	rill be used if no show at the event)			
Kindly e-mail the completed form to Eddie Fong: eddiefong@ieee.org or phone: 0413777511					

IEEE NSW Section AGM – 22 November 2013



Accommodation

IEEE NSW Section AGM – 22 November 2013

Novotel Sydney Parramatta, 350 Church Street Parramatta. Phone 02 9890 7290

Accommodation is available if required at \$195 per night, single occupancy.

Please make your booking directly with the hotel, quoting code **IEEE1113**.

IEEE NSW Section Committee - Nomination

The nomination/nominee form should be e-mailed to John Robinson at maileo:nominee.org or to the Secretariat PO Box 576, Crows Nest NSW 1585 and must be received no later than 31 August 2013.

Before completing the form and returning, please review the following guidelines for nominating a volunteer Candidate:

- (a) Nominators must contact their nominee before submitting the form and confirm their acceptance of the time & other commitments required for the position.
- (b) Nominees must have had at least 2 years on the Committee to nominate for the key positions of Chair, Vice Chair, Treasurer and Secretary.
- (c) Self nominations require the submission of additional information e.g. CV or SMIEEE referee.
- (d) If you are nominating for more than one position, separate forms must be submitted.
- (e) Any other queries should be emailed to jl.robinson@ieee.org or by phone 9418 8695.

Nominee Contact Inform	nation					
Nominated Position:						
First Name:						
Surname:						
Email Address						
Postal Address						
	Post Code					
IEEE Member No:						
Achievements: (For the past 10 years within and without IEEE)						
Nominator Contact Info	rmation					
First Name:						
Surname:						
Email Address						
Postal Address						
	Post Code					
IEEE Member No:						